

Henderson, Ginny

From: Henderson, Ginny
Sent: Tuesday, August 16, 2011 11:18 AM
To: 'Michael Burns'
Subject: RE: APAC Castle Hayne

Mike,

It can be acceptable to average over those depths ranges, but there are a number of things to consider when averaging. I have done averaging for this site already, which previously went into determining what additional assessment was needed. So if you prefer you can just send the data in and I would incorporate the new data into my existing calculations. As a reminder, averaging can't be used for comparison against the protection of groundwater RGs.

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From: Michael Burns [<mailto:mburns@ESINC.CC>]
Sent: Tuesday, August 16, 2011 8:46 AM
To: Henderson, Ginny
Subject: APAC Castle Hayne

Ginny,

I am working on the RI3 for the APAC Castle Hayne site. As you may recall, we advanced soil borings in undeveloped areas for the collection of background arsenic concentrations. The previous high background concentration for arsenic in soil was 2.57 mg/Kg and current data brought that up to 12.7 mg/Kg (6 foot sample). Is it acceptable to average arsenic concentrations from the 5 feet and 6 feet depth intervals (the only depth interval where arsenic exceeds BG) in the area of the AST farm (about ¼ acre) and compare the average to background? If so, my calculations indicate an average of about 8.5 mg/Kg which would be below BG.

Mike



Mike Burns

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